

# **AirVision**

## **Quirks and Lessons Learned**

**Missy Smith**

**Air Management Division  
EPC of Hillsborough County**

# Wind Direction and Speed

Current Time: 9:27 AM

## Daily Summary Report

Site: A1\_DAVIS ISLAND

4/19/2011

Interval: 001h

[illegible]

# Daily Summary Showing Missing 24 Hour Average (Average = 0)

Current Time: 8:50 AM

## Daily Summary Report

Site: C5\_SUPER SYDNEY SIT

4/20/2011

Interval: 001h

	04 TEO25	07 Filter %	08 PMNOISE	09 NOTL	10 NOXTL	11 NOY
Hour	UG/M3	%FS	VOLTS	PPB	PPB	PPB
00:00	11.3	47	.033	0	4	4
01:00	10.9	47	.033	0	6	6
02:00	12.2	47	.034	0	6	6
03:00	14.4	48	.032	0	4	5
04:00	9.9	48	.031	0	3	3
05:00	6.7	48	.032	0	3	4
06:00	12.3	48	.034	0	4	5
07:00	5.8	47	.031	1	2	4
08:00	6.1	47	.03	0	1	2
09:00	2.2	46	.034	0	2	2
10:00	3.1	46	.035	0	1	2
11:00	2.2	46	.038	0	1	2
12:00	8.1	46	.04	0	1	2
13:00	7.8	45	.036	0	2	2
14:00	8.6	46	.036	0	2	3
15:00	8.6	46	.036	0	3	3
16:00	10.1	46	.039	0	3	3
17:00	18.6	46	.034	0	2	3
18:00	29.7	46	.034	0	3	3
19:00	10.3	47	.034	0	3	3
20:00	8.5	47	.035	0	3	3
21:00	8.2	47	.032	0	3	3
22:00	9.4	47	.033	0	1	2
23:00	5.8	48	.032	0	1	2
Average	9.6	47	.034		3	3
Max	29.7	48	.04	1	6	6
Min	2.2	45	.03	0	1	2
Count	24	24	24	24	24	24

# Screen Shot of Flag Editor

AirVision™

Home View Favorites **Flags Editor**

Add New Flag Delete Flag Flag Editor Options

Main Navigation

Daily Summary Report **Flags Editor**

### Configuration Editors

- Data Source Details
- E-mail Alarm Trigger Editor
- Favorites Editor
- Flags Editor**
- GSI Driver Editor
- Notification Subscriptions
- Parameter Template Editor
- Report Configurations
- Security
- Server Configuration
- Site/Parameter
- Task Scheduler

Configuration Editors

- Data Editors
- Reports
- Utilities
- List Editors
- Help and Support

Flag: @ Back Color: 128, 128, 0

Description: Vandalism Fore Color: 0, 0, 0

Mapped AIRNow Code: Mapped AQS Null Code: AP - Vandalism

Priority: ☐ Invalidates Data

Flag	Description	Priority	Invalidates Data	Mapped AQS Null Code	Mapped AIRNow Code	Fore Color	Back Color
@	Vandalism		<input checked="" type="checkbox"/>	AP - Vandalism		0, 0, 0	128, 128, 0
1	O&S		<input checked="" type="checkbox"/>	AY - Q C Control Poi		0, 0, 0	255, 192, 0
2	S&P		<input checked="" type="checkbox"/>	BF - Precision/Zero/		0, 0, 0	0, 255, 0
3	F&I		<input checked="" type="checkbox"/>	BC - Multi-Point Cali		0, 0, 0	192, 255, 0
!	Operator Error		<input checked="" type="checkbox"/>	BJ - Operator Error		255, 255, 0	128, 64, 0
N	Machine Malfunction		<input checked="" type="checkbox"/>	AN - Machine Malfu		0, 0, 0	192, 0, 19
&	EPC Audit		<input checked="" type="checkbox"/>	AZ - Q C Audit (AUD		0, 0, 0	0, 0, 255
%	Temperature too high or too low		<input checked="" type="checkbox"/>	AE - Shelter Temper		0, 0, 0	250, 128, 0
#	Collection Error		<input checked="" type="checkbox"/>	AQ - Collection Error		0, 0, 0	0, 255, 25
0	Building/Site Repair		<input checked="" type="checkbox"/>	BE - Building/Site Re		0, 0, 0, 0	128, 128, 0
\$	DEP Audit		<input checked="" type="checkbox"/>	BL - QA Audit		0, 0, 0	255, 20, 1
<	Logger Invalid	1	<input type="checkbox"/>	AI - Insufficient Data		0, 0, 0	255, 0, 0
I	Insufficient Data	2	<input type="checkbox"/>	AL - Voided by Oper		0, 0, 0	255, 255, 0
?	Suspect	3	<input type="checkbox"/>	TS - Holding Time or		0, 0, 0	192, 192, 0
P	Power Failure	5	<input type="checkbox"/>	AV - Power Failure (		0, 0, 0	255, 0, 0
B	Bad Status	6	<input type="checkbox"/>	AN - Machine Malfu		0, 0, 0	255, 128, 0
C	Calibration	7	<input type="checkbox"/>	BD - Auto Calibratio		0, 0, 0	0, 255, 25
M	Maintenance	8	<input type="checkbox"/>	BA - Maintenance/R		0, 0, 0	192, 255, 0
m	Marked Maint by edit	9	<input type="checkbox"/>	BA - Maintenance/R		0, 0, 0	192, 255, 0
O	Overrange	10	<input type="checkbox"/>	AN - Machine Malfu		0, 0, 0	255, 128, 0

Profile: Admin Version: 2.2.2 Build: 2011.02.16.3 4/20/2011 09:34

The screenshot displays the AirVision™ software interface. On the left is the 'Configuration Editors' pane, which contains a tree view of various configuration options including Data Source Details, E-mail Alarm Trigger Ed, Favorites Editor, Flags Editor, GSI Driver Editor, Notification Subscription, Parameter Template Ed, Report Configurations, AIRNow/FTP Setup, AQI Program Editor (selected), Frequency Distributi, Violation of Standar, Wind Rose Levels Ed, Security, and Server Configuration. Below this is a 'Configuration Editors' section with buttons for Data Editors, Reports, Utilities, List Editors, and Help and Support.

The main window shows the 'AQI Program Selection' table. The table has columns for Program Name, AQS Parameter Type, AQS Unit Type, Average Interval, Enabled, Averaging, Averaging Direction, Rounding Method, Decimal Positioner, Average Period, Scale Factor, Percent Availability, and Use. The table lists several AQI programs, including 1 HOUR NO2, 1 HOUR O3, 1 HOUR SO2, 24 HOUR SO2, 24 HOUR TEO10, 24 HOUR TEO25, 4 HOUR O3, and 8 HOUR O3. The 1 HOUR NO2 program is highlighted in orange.

Program Name	AQS Parameter Type	AQS Unit Type	Average Interval	Enabled	Averaging	Averaging Direction	Rounding Method	Decimal Positioner	Average Period	Scale Factor	Percent Availability	Use
1 HOUR NO2	42602 - Nitrogen Dioxide	008 - Parts per billion	001h	<input checked="" type="checkbox"/>	<input checked="" type="radio"/> Rolling <input type="radio"/> Block	<input type="radio"/> Forward <input checked="" type="radio"/> Backward	<input type="radio"/> Truncate <input checked="" type="radio"/> Round	-	-	-	-	0.66
1 HOUR O3	44201 - Ozone	008 - Parts per billion	001h	<input checked="" type="checkbox"/>	<input checked="" type="radio"/> Rolling <input type="radio"/> Block	<input type="radio"/> Forward <input checked="" type="radio"/> Backward	<input type="radio"/> Truncate <input type="radio"/> Round	0	1	1	0.66	
1 HOUR SO2	42401 - Sulfur Dioxide	008 - Parts per billion	001h	<input checked="" type="checkbox"/>	<input checked="" type="radio"/> Rolling <input type="radio"/> Block	<input type="radio"/> Forward <input checked="" type="radio"/> Backward	<input type="radio"/> Truncate <input checked="" type="radio"/> Round	0	1	1	0.66	
24 HOUR SO2	42401 - Sulfur Dioxide	008 - Parts per billion	001h	<input checked="" type="checkbox"/>	<input checked="" type="radio"/> Rolling <input type="radio"/> Block	<input type="radio"/> Forward <input checked="" type="radio"/> Backward	<input type="radio"/> Truncate <input checked="" type="radio"/> Round	0	24	1	0.66	
24 HOUR TEO10	81102 - Pm10 Total 0-10um S	001 - Micrograms/cubic	001h	<input checked="" type="checkbox"/>	<input checked="" type="radio"/> Rolling <input type="radio"/> Block	<input type="radio"/> Forward <input checked="" type="radio"/> Backward	<input type="radio"/> Truncate <input checked="" type="radio"/> Round	0	24	1	0.66	
24 HOUR TEO25	88502 - Acceptable Pm2.5 Aq	105 - Micrograms/cubic	001h	<input checked="" type="checkbox"/>	<input checked="" type="radio"/> Rolling <input type="radio"/> Block	<input type="radio"/> Forward <input checked="" type="radio"/> Backward	<input type="radio"/> Truncate <input type="radio"/> Round	1	24	1	0.66	
4 HOUR O3	44201 - Ozone	008 - Parts per billion	001h	<input checked="" type="checkbox"/>	<input checked="" type="radio"/> Rolling <input type="radio"/> Block	<input type="radio"/> Forward <input checked="" type="radio"/> Backward	<input type="radio"/> Truncate <input type="radio"/> Round	0	4	1	0.66	
8 HOUR O3	44201 - Ozone	008 - Parts per billion	001h	<input checked="" type="checkbox"/>	<input checked="" type="radio"/> Rolling <input type="radio"/> Block	<input type="radio"/> Forward <input type="radio"/> Backward	<input type="radio"/> Truncate <input type="radio"/> Round	0	8	1	0.66	

Below the AQI Program Selection table is the 'AQI Level Selection' table. The table has columns for Pollutant Level, Sub Index, Description, Color, Font Color, Sensitive Groups, Health Effects, and Health Advisory. The table lists several AQI levels, including 53, 100, 360, 640, 1240, 1640, and 2040. The 53 level is highlighted in orange.

Pollutant Level	Sub Index	Description	Color	Font Color	Sensitive Groups	Health Effects	Health Advisory
53	50	Good	0, 228, 0	0, 0, 0			
100	100	Moderate	255, 255, 0	0, 0, 0			
360	150	Unhealthy for Sensitive Groups	255, 128, 0	0, 0, 0			
640	200	Unhealthy	255, 128, 0	0, 0, 0			
1240	300	Very Unhealthy	255, 0, 0	0, 0, 0			
1640	400	Hazardous	126, 0, 35	255, 255, 0			
2040	500	Hazardous	126, 0, 35	255, 255, 0			

The status bar at the bottom of the window shows the profile as Admin, version 2.2.2, build 2011.02.16.3, dated 4/20/2011, at 09:34.

# Scheduled Task Status

**AirVision™**

Home View Favorites Scheduled Task Status

Refresh Execute Scheduled Task Now Update Task Status Print/Export Task Status Options

Main Navigation

**Utilities**

- AQS XML Import Tool
- EDAS Import
- Feature Licensing Tool
- Fill Data Gaps
- Journal Controller
- Link To Logger
- Log Viewer
- Logger Download
- Manual Poll
- Purge Average Data
- Purge Journal Messages
- Scheduled Task Status
- Server Restart
- SQL Execution Tool
- Table Import/Export

**Scheduled Task Status**

Refresh Options

☐ Refresh Status Automatically Refresh Interval: 30 Seconds

Name	Type	Status	Last Start Time	Last End Time	Last Successful Run	Latest Data Time	Task Status Message
▶ EPCAV	Executive						
▶ [5 Minute Poll] Start: 4/21/2011 11:25:30 AM, Rep...	Group Task	Task completed successfully	4/22/2011 7:25:31 AM	4/22/2011 7:28:23 AM	4/22/2011 7:25:31 AM		
▶ [Calibration Poll] Start: 9/6/2010 5:22:30 AM, Rep...	Group Task	Task completed successfully	4/22/2011 5:22:31 AM	4/22/2011 5:26:18 AM	4/22/2011 5:22:31 AM		
▶ [Calibration Reports] Start: 11/18/2010 6:15:00 A...	Report Task	Task completed successfully	4/22/2011 6:15:01 AM	4/22/2011 6:15:01 AM	4/22/2011 6:15:01 AM		
▶ [Daily Summary Reports] Start: 11/18/2010 6:13:0...	Report Task	Task completed successfully	4/22/2011 6:13:01 AM	4/22/2011 6:13:14 AM	4/22/2011 6:13:01 AM		
▶ [Fill Average Data Gaps] Start: 12/1/2009 12:00:0...	Average Data Gap Filler	Task completed successfully	4/22/2011 12:00:00 AM	4/22/2011 12:02:14 AM	4/22/2011 12:00:00 AM		
▶ [Hourly Poll] Start: 2/3/2011 9:06:30 AM, Repeat...	Group Task	Task completed successfully	4/22/2011 7:06:31 AM	4/22/2011 7:13:29 AM	4/22/2011 7:06:31 AM		
▶ [IP Hourly Poll] Start: 9/10/2010 3:36:30 PM, Repe...	Group Task	Task is currently running	4/22/2011 7:36:31 AM				
▶ [Log Journal Purge] Start: 1/1/2010 12:03:03 AM, ...	Purge Journal Messages T...	Task completed successfully	4/22/2011 12:03:03 AM	4/22/2011 12:03:06 AM	4/22/2011 12:03:03 AM		
▶ [Minute Poll] Start: 4/21/2011 11:46:30 AM, Repea...	Group Task	Task completed successfully	4/22/2011 6:46:31 AM	4/22/2011 6:56:36 AM	4/22/2011 6:46:31 AM		
▶ Device polling	Group Task	Task completed successfully	4/22/2011 6:46:31 AM	4/22/2011 6:56:36 AM	4/22/2011 6:46:31 AM		
▶ Polling on COM1	Group Task	Task completed successfully	4/22/2011 6:46:31 AM	4/22/2011 6:56:36 AM	4/22/2011 6:46:31 AM		
▶ Logger [A1] polling tasks	Group Task	Task completed successfully	4/22/2011 6:47:26 AM	4/22/2011 6:48:55 AM	4/22/2011 6:47:26 AM		
▶ Logger [A2] polling tasks	Group Task	Task completed successfully	4/22/2011 6:47:26 AM	4/22/2011 6:48:55 AM	4/22/2011 6:47:26 AM		
▶ Logger [A3] polling tasks	Group Task	Task completed successfully	4/22/2011 6:48:55 AM	4/22/2011 6:49:58 AM	4/22/2011 6:48:55 AM		
▶ Logger [B7] polling tasks	Group Task	Task completed successfully	4/22/2011 6:49:58 AM	4/22/2011 6:50:55 AM	4/22/2011 6:49:58 AM		
▶ Logger [B9] polling tasks	Group Task	Task completed successfully	4/22/2011 6:50:55 AM	4/22/2011 6:52:10 AM	4/22/2011 6:50:55 AM		
▶ Logger [C1] polling tasks	Group Task	Task completed with warnings	4/22/2011 6:52:10 AM	4/22/2011 6:54:01 AM	4/22/2011 6:52:10 AM		Group Item #0: TaskID: [Poll [C1] 001m Averages]; Error during execution. FailGroupOnError=False. Group processing will continue...
▶ Poll [C1] 001m Averages	Logger Poll Task	Critical error was detected and han...	4/22/2011 6:52:10 AM	4/22/2011 6:54:01 AM	4/22/2011 6:52:10 AM	4/22/2011 6:14:00 AM	C1: Returned error [Source=C1, CommandType=PollAveragesWithFlags_56, AverageInterval=001m, TimeRange=4/22/2011 5:52:00 AM to 4/22/2011 6:51:00 AM] for Command [Invalid checksum specified],
▶ Logger [C5] polling tasks	Group Task	Task completed successfully	4/22/2011 6:54:01 AM	4/22/2011 6:55:14 AM	4/22/2011 6:54:01 AM		
▶ Logger [C7] polling tasks	Group Task	Task completed successfully	4/22/2011 6:55:14 AM	4/22/2011 6:56:36 AM	4/22/2011 6:55:14 AM		
▶ [Power Failure Poll] Start: 9/8/2010 6:22:30 AM, R...	Group Task	Task completed successfully	4/22/2011 6:22:30 AM	4/22/2011 6:30:45 AM	4/22/2011 6:22:30 AM		

Configuration Editors

Data Editors

Reports

**Utilities**

List Editors

Help and Support

Profile: airmon Version: 2.2.2 Build: 2011.02.16.3 4/22/2011 07:40